GEIJI'S CHRISTMAS ODE [From "Soul Matters and Maxims of Life."]

TRANSLATED FROM THE SWEDISH.

To the Editor of the Tribane:

Six: Gold is a Uniterian, or something more. I do no how that any spology is necessary for the following transs Geiji a dungerous writer? I think Chasming Theodore Parker and Emeram have said even worse things, not to mention Goethe, thereil Brano-Baner, Feneratical Madame George Said; and these writers are tread—some say studied—in this country. Yours, &c. O. O, New York, Nov. 16.

WHAT shall I call Thee, Christ? What shall I call Thee, Thou whose feet have kissed Of all the world the desolate, desert sands? Shall I not call Thee my most human brother, Son of my Father God, of Earth my Mother ?

For see! the nails have pierced my feet and hands. I know Thee for my brother, O my Christ, O my Beloved! And this heart of mine In its best moments, for we have our moods, Enlarges till it lets the whole world in, When nought of Bad I find, but all of Good And then I do not know the name of Sin, But think God's purpose little understood; For He is with us in our solitudes :-Then do we pluck the grapes that are divine That lips of prophets have so often missed.

Our lives flow onward till they reach the Sea ; We stand upon the shore, and the abysmal Thunders reecho with a voice not dismal-The Lightnings harm us not. We stretch to Thee Long, loving arms across the misty distance; The weak and timid pray Thee for assistance. Thou givest back for answer: "Not to Me-Not to your brother make your invocations-Not to your fellow offer vain oblations. What fear ye from the Father? I descend The deeps of Being, and ne'er find an end."

In each child's life that into Life is born; O Mary's Son !- Son, Thou, of every woman Thou pluckest still the Sabbath ears of corn. Reproving bigotry. And ears forlorn Hear Thy Evangel, and the low raise high Their foreheads, claiming Thee, the poor man's

Thou, O Divine One! dost renew the Human

And Thou art with the wretched when they die, And Thy discourses, wedge like, cleave the mis Of sour convention, when the living dare Add to their own what is their neighbor's share.

Thy fame is given to the Churches. Thou Couldst not foresee the holy forgeries, The saintly shams, the consecrated lies, That men would sanction with thy name, and yow Themselves Thy Ministers. I dare not think Of Thee, but through their brain: I dare not drink The living waters which my hands have drawn

And they would brush the glory from the dawn Thy name is stamped into the persecutions With which bad men have hurried men to death I dare not to the Sun make my ablutions Without Thee-dare not draw my buman breath. Even my virtue must not be my own-

Even my virtue is a name for sin. O Christ, Thou art too strong. Let me alone Let go my manhood. I would enter in To manhood's palaces. The whole world lies Before me like a Canaan ; I would cross The Jordan, but they beat me back again. Because I will not take God's name in vain-Because I would refute their sophistries,

And wage my gain against their mighty loss Casar before Thee bows-and he should bow The Soul before Thee stoops, and it should not If Man must be contented with his lot, His lot is Heaven, and his equal, Thou; When he aspires to reach the high and holy, But breathes the aspiration from a lowly Spirit, rebuked and humbled for the small

And powerless part he plays before the All But I am really afraid to continue the translation, since the original grows worse and worse. For the present, a least, let not our language know more of Geiji's Ode." Here we have him in another mood. You must take him, on this occasion, however, without much rhythm, leaving the rhymes to fall into their places, when they will do so readily : otherwise avoiding them altogether. Fidel ity of rendering is all the merit I claim.

What didst thou, friend, anticipate from life ! Has it thy expectations answered fully ?. Standing again at my birth hour before the world I would say, I will not voyage across thee. Man lives for money, prates the while of virtue;

He will not love thee in a ragged coat : Even Jesus Christ's ordain'd and rev'rend servant

Will glance at th' hole i' thy elbow, and thy torn shoe. A poet took me by the hand, and held me

In a constrained and very warm embrace O poet-brother, worldly men repell'd me," He said: "but I am glad to see thy face Truly, most truly, I am glad to meet thee ; I love thy verses-Lend me but one shilling My need is great. Upon my word I love thee. How rare is goodness! What, thou ar

not willing ! Oh, once before, I lent you many shillings, Oh, twice before, I lent you many shekels : You loved my verses when you borrowed of me, Afterward said. I was the worst of poets. A parson met me in the Field of God,"

"Ah, they lie buried here, my Master's chosen The sheep that he will gather, and the sod Covers the goats, until that day reposing In sleep as perfect, on as soft a pillow.

How great the difference betwixt sheep and lamb !" His pastoral eyes he, steadfast, raised to Heaven,

"How sinful All, before the Great I AM !! He left me weeping at my mother's grave-stone, (Mother devoted, had you never seen me !) And went unto a wife, whose husband tarried At toil-hard toil. And she resigned her hus band.

I went-I am no better than my neighbors ; I know no crime I would not have committed-And sinned. But what my sin, shall not be stated O God, be gentle with us do not judge us ! Tell me, my friend, what hast thou from existence Say, has it realized thy expectations?

Standing upon the shore, before the ocean, I would say. Waves, ve shall not bear me over * A Cometery or Grave-Yard is so called in the North of Europe.

Subscriptions to the Weekly Tribune.

Single Subscriptions from various Post-Offices: Single Subscriptions from curious Post-Offices:
TUESDAY, NOV. 26. England.
Michigan | lowa | lowa | Massachusetts | 2 Rhode Island | New York | 6 New York | California | Cali Subscriptions received to The Daily Tribune.

Salem, N. J. J. Skanesteles, N. Y. Mabbeusville, N. Y. J. Pine Meadow, Conn. Lyots, N. Y. J. Newark, Del. North Weedstock, Conn. Stockbridge, Mass. Tuckshoe, N. Y. J. Mount Savage, Md. ...

Subscriptions Received to the Semi-Weekly Tribune.
TUSSDAY, Nov. 26.
Baldwinsville, N. Y. ... | Centreville, Ind.
Wheatland, N. Y. ... | Pittaburgh, Pa.

The Oscego Journal says vessels from the upper Lakes are crowding into that harbor, and canal boats are eagerly urging their way toward the Hudson. The streets of the city are filled with

Late Scientific Intelligence ... No. XV

[Prepared for The Tribune.] We gather from late and authentic sources a ew items of scientific importance and general

SCHENCE

interest: PHOTOGRAPHY. M. LEGRAY bas addressed a communication to the French Academy, urging his claim as the first to apply the fluoride of silver to Photography on paper. M. Legray states that he has been ensigned in researches of this kind, for the last year, and a ball, and has for some time past ascertained by experiments crowned with the most complete

by experiments crowned with the most complete results, that fluoride of silver must be considered as the most sensitive agent which can be employed in Photography, whether on glass or on paper. The Paris "Society for the Encouragement of Arts and Manufactures" has prepared a Schedule of Prizes for further discoveries in Photography. The prizes amount to 5,000 francs. The first series will be awarded for impressions on paper or their non-restalling substances, the second for other non-metallic substances; the se impressions on metal. The grand desideratum is a prize of 5,000 francs for obtaining photographic impressions of objects in their natural colors. The apers and models of competitors are to be in the ands of the Secretary of the Society in Paris, or the 31st of December next.

PHOTOMETRY

M. Araco has recently communicated to the Paris Academy of Sciences a further account of his researches on Photometry—again alluding to the possibility of taking the direct measurement of the hight of a cloud, by means of a polarime ter, a series of tables of which are in course of observations he had commenced, with a view of comparing and numerically ascertaining the difference in intensity which exists between the light coming from those parts of the moon called seas, and that of the borders and more brilliant parts, as also between the light called ashy, and that of the visible disc of the moon; and spoke of some peculiarities presented from the absence of that of the visine disc of the moon: and spoke of some peculiarities presented from the observation of the light of the satellites of Jupiter, compare with that of the planet, and of the difficultie which exist in giving an explanation of the phe

MANUFACTURE OF SUGAR IN THE FRENCH COLONIES.

The French Minister of Agriculture and Commerce in the early part of the present year dispatched M. Guier to the French Colonies, to observe and experiment upon the celebrated processes proposed by M. Meisens for the manufacture of Sugar. The first Report of M. Guiet is dated at Goadaloupe, 26th April, and from a comprehensive synopsis in the London Patent Journal, we take the following interesting extracts:

Up to the period indicated, M. Guiet had made but few experiments, and those not under favorable circumstances; the results, however, were such as to lead to the expectation that the bisolphate of lime will be advantageously employed in

phate of lime will be advantageously employed in the Colonies in the manutacture of sugar. Accord-ing to the first observations, the cane-juice pre-served from fermentation by means of the bisul served from fermentation by means of the bisul-phate of lime, can be made to undergo, without meonvenience, a decantation and filtration before being cleansed or defected. The bisulphate of lime will also arrest the fermentation of the canes which are oftentimes left after having been cut exposed to the heat of the sun, when any inter-ruption takes place in the pressing process. M Guiet appears to think that the ingenious process of M. Boucherie for the preservation of wood may be supplied to the injection of any part of the be applied to the injection of any part of the sugar cane with the bisulphate of line, thus pre serving it from fermentation. He has commence a series of experiments on this interesting subject

THE GEOLOGICAL FORMATION OF ORES OF

ZINC.

BY M. F. BELLNONE.

The following is a resume of M. Delanone's ob servations and experiments:

1. All the Zinc Ores are deposits of thermal

The different proportions of water entering into the composition of the ores of these beds, represent the different degrees of heat of their

3. The Sulphurets of Lead, Zinc, &c. are gen erally the first formed. They most probably re-sult from the reaction of organic matters in the Sulphates.
4. The Carbonstes of Lead, Zinc, &c. are gen

erally deposited above the Sulphurets and formed by the reaction of the metalliferous sources in some Carbonate. Hence, a real Zinc Ore bed cannot be found

without Carbonate, and a calcareous rock always serves as the guide in all researches for these ores. 6. As the Carbonates do not readily precipitate the Salte of Iron and Manganese except in contact the Salts of Iron and Manganese except in contact with the air, the Hydrated Ores of Iron and Man-ganese form superficial deposits above the Ores of

Zinc.

Lastly, and as the practical consequence which
results from the preceding, the bels of Hydrated
Oxide of Iron containing Calamine, in Belgium
and the North of France, indicate the presence of
the mere valuable Ores of Zinc and of Lead, the existence of which can thus be readily ascertained

THE COLORS EMPLOYED BY THE ANCIENTS Analysis and Directions for the Manufacture of a Mineral Blue Color, found in a Galio-Rouna Villa, in the forest of Bretome (Scine Infriedre), in Normandy By M. GRANDIN, Corresponding Member of the Academy of Sciences, and Prefessor of Chemistry at the College,

Several kilogrammes of this blue Several kilogrammes of this blue color were found in an earthen jar, in the state of frisble concretions; but which, on close examination, had evidently been a fine powder. It had no taste, was insoluble in water, but eftervesced violently on contact with acids; 100 parts of this blue gave out 1550 of carbonate of lime, with traces of oxide of iron, when treated with hydrochloric acid.—After this treatment, the insoluble powderremaining had all the appearance of artificial ultra ma-rine; it resisted the most powerful heat, and was neither tused nor altered in color. The most pow-erful acids had no action whatever on it; it was erior acids had no action whatever on it, it was scarcely acted upon by nitro-muriatic acid; but when heated to redness, with several times its weight of caustic potash, it fused, and on cooling, presented a mass of a sombre green color, for the most part soluble in hydro-chloric acid. I could find no trace whatever of cobalt. A quantitative analysis gave me the following results:

Alumina.....Lime, with traces of Magnesia and Iron..... Soda,... Oxide of Copper....

This blue substance is, therefore, a glass, oc ed by oxide of copper, in all respects analogous to the cornieum of Vitravius, or the Alexandrian glaze (fritte,) or puzzela, which the Roman artists aployed for fresco painting, and the decoration

employed for freeco paintings of their apartments.

Chaptal, in 1809, made a qualitative analysis of a color of the same kind, which was found in the shop of a color-dealer in Pompeii, and presented to him by the Empress Maria-Louisa; and Descotils has subsequently recognized the same copper color in the hieroglyphical paintings in an ancient Egyptian monument.
Sir H. Davy speaks of the same mineral color

in his interesting work on the colors of the an-cients, published in 1815. He states that the blue parts of the monument of Cains Cestuis, of the nuprinds of Aldobrandine, and of the baths of Ti-tus, at Rome, are done with this color. In an extus, at Rome, are done with this color. In an ex-cavation made at Pompeii, in 1814, in the presence of Sir H. Davy, he found a pet of pale blue color, which he analyzed, and found to be a mixture of lime and Alexandrian glaze. Davy did not give any quantitative analyzes of this blue color, but quoted the following passage from Vitravius: "The preparation of this blue color was originally invented at Alexandria, and Nestorius has since established a manufactory of it at Puzzola. It is an admirable discovery, sand and flowers of naestablished a manufactory of it at Puzzola. It is an admirable discovery; sand and flowers of natron (carbonate of soda,) are first ground together, as finest flour, then mixed with copper filings, moistened with a small quantity of water, and made into a kind of paste. It is then heated in an earthen pot, placed in a furnace, so that the mass becomes fused, and gives rise to a blue color." It was with this glaze that the Roman artists obtained all their shades of blue, by mixing the finely powdered glaze with various proportions of chalk.

This same color was also found at Bosci.

same color was also found at Rome, in 1742, in the shop of a color-dealer, adjoining the baths of Titus, and at Vieux, in the Department of

The beauty and solidity of this color, which re sists the action of the most powerful agents, and is not affected by air, light or moisture, ought to claim the attention of our painters and decorators, especially as it is also cheaper than smalt, azure, or cobalt. It may be obtained by strongly calciting for two hours, at a forge heat, a mixture of 60 parts of silicious sand, 45 parts of soda, and to 10 parts of oxide of copper.

The following is from the London Chemical Ga

Take 2 parts of stearine, 2 parts Venetian comp. I part p arl ash and 24 to 30 parts of solution of caustic potash. The stearine and the scap are cut into slices, mixed with the cold lye and boiled for about half an four, constantly stirring. Whenever the mass rises a little cold lye is added. The pearlish, previously moistened with a little rain leaves the standard and the whole belief for a pearlash, previously molatened with a little rain-water, is then added, and the whole boiled for a few minutes. The mass is then stirred until cold, when it is mixed with so much cold live that it be-comes perfectly liquid, and runs off the spoon without congulating and contracting. Before using this composition, it should be kept for sev-eral days well covered. It may be preserved for years. Before applying it to the objects, they should be well dusted, the stains scraped away, and then coated by means of a thick brash with anoting be well dusted, the stains as appearance, and then coated by means of a thick breash with the wash, as long as the Plaster of Paris absorbs it, and left to dry. The coating is then dusted with leather or a soft brush. It the surface has not become shining the operation must be repeated.

PEAT-IMPORTANT DISCOVERIES. PEAT-IMPORTANT DISCOVERIES.

Our readers may recollect the extraordinary announcement made a few months ago, regarding the alleged discovery of new properties in the article of Peat-a substance hitherto considered only fit for fuel. The incredulity which was manifasted at the discovery of its other valuable qualities, was not dispelled by any subsequent success in producing the new materials; and the momentary excitement died away as rapidly as it had

tary excitement died away as rapidly as it had begun. It now appears, however, that there is

A late number of the London Patent Journal A late number of the London Facen Source gives at great length the specifications of new patent for improvements in treating Peat, and other carbonaceous and ligneous matters, so as to obtain products thereirom. The Patent is taken out by William Benson Stones, of Golden-square, County of Middlesex, Manchester warehouseman. It is dated March 7, 1850, and was enrolled Sept. 6, 1850. The description of the

Patentee's improvements covers 21 specifications.

The first part of the improvement relates to the pressing of Peat, by means of roller-presses suitably arranged for the purpose. The peat thus pressed and dried is next to be distilled in iron pressed and dried is next to be distilled in iron retorts—the patentee preferring those made of sheet-iron, and, if practicable, one placed within the other, so that the products obtained from the distillation may pass between the hiner and outer retort, and escape through an exit-pipe in the outer. This exit-pipe dips into a strong iron box or condenser below the surface of the water contained therein; a pipe from this condenser communicates with others, these are fitted with taps to graw off the liquid products of distillation; to draw off the liquid products of distillation; and the gases pass off into the hydraulic main. If the gas does not possess sufficient illuminating powers, a portion of coal tar, or, preferably, some of the fatty matter of the previous distillation of peat is placed in the retort with the peat.

the distillation is completed; carbonic acid being applied to extinguish the combustion. This char-coal may be pressed into the form of bricks, for use in locomotives, marine engines, &c.; or, if r quired very pure, it undergoes the same process as animal charcon.

as animal charcoal.

The patentee's next improvement relates to the manufacture of a fuel containing a larger proportion of carbonaccous matters than ordinary coal, and free from sulphur and slag, and therefore peculiarly adapted for locomotives and marine engines.—His next improvement consists in the application of peat and other substances to the manufacture of fire lighters, using for this purpose the ghter and more spungy pieces. The next claim is for the use of peat charcoal

in place of wood-charcoal, in the manufacture of spirit of sulphur or bisulphuret of carbon, in order to furnish the portion of carbon required; and

to furnish the portion of carbon required; and for the manufacture of gunpowder.

The next improvement relates to the use of peatigss for the purposes of light and heat. As peatigss does not possess great illuminating powers, the patentee proposes to combine it with 30 to 40 per cent. of atmospheric air, and to burn it by means of peculiarly constructed burners, having a platinum wick, and with the tubes of the burners and the propose that it is not because the substitute of the proposed to the substitute of the proposed to the proposed a platinum wick, and with the tubes of the burners made larger than in the ordinary gas-lamp, and placed obliquely; the platinum attains a white heat, and great filtuminating power is thus obtained. But as this process for increasing the illuminating power of peat gas may be objected to, the putentee proposes to carburet the peat gas. In addition to gas and aumonin, he also obtains from the distillation of peat a peculiar acid, and a bitumino-adipose compound, which he calls "paramphthadipose," as centaining principally the elements of a hydro-carbon which produces a light mapthha. Ac. One of the products of this is a good solvent of gutta percha, caoutchoue, etc. A great variety of other products are obtained by chemical treatment. There are a number of minor specifications, for which we have no room.

ecifications, for which we have no room.

A London correspondent of the New-York Com-ercul Advertiser alludes to this subject in the

THE IRISH CALIFORNIA OF 184

About a year and a half ago Lord Ashley and O Gorman Mahon startled the House of Commons by an announcement that a method had been discovered by which Irish peat could be made to yield a variety of products of the most valuable kind, which would realize in the market a profit of upward of 100 per cent. Much excitement was created to the control of t ted by it at the time, and it was boasted that Ireland raise her forthwith to the hight of prosperity. A
few explanations, however, showed that Lord Ashley, in speaking on an Irish subject, had fallen into the common infection of Irish precipitancy, and
that although the products he mentioned could undoubtedly be obtained, there was no satisfactory

doubtedly be obtained, there was no satisfactory evidence as to the real cost of the process and its consequent profit. He had, it is true, produced a candle made from the peat, and had lighted it on the table of the flouse, but without some illumination in the way of actual figures, this step could have only the effect of a pretty trick.

Since that time, however, the party by whom the patent was taken up Mr. Owen a private centlemas of property and of unquestionable integrity, has caused the experiments to be carried an upon a definite scale, and results have at length been arrived at, it is said, of the most satisfactory kind, by which not only the candles and other products can be exhibited, but their cost, as it would appear, can be definitely estimated. The following statement of the annual expenditure and produce of the trial works for one year has just been placed in my hands:

EXPENDITURE

Total..... £216 These results have not yet been made public in any way in hondon, but if they should be fully borne out they will create a great sensation, since near ly one seventh of the whole surface of Irelan consists of bog. The commercial value of the various articles has been stated considerably be ow the existing market quotations, and the charcoal which would also be obtained in the process has been entirely omitted from the estimate, as well as the subsequent value of the land that would be reclaimed by the removal of the peat.— The statement shows, nevertheless, a profit of more than 100 per cent. The paralline is a fatty, inodorous matter, and it is from this that the candles are made. I have one of them burning before me at this moment, and its appearance and flame are the same as wax. The light, however, flame are the same as wax. The light, however seems rather less white than that from sperma ceti. The largest candle manufactures in London the paraffine at 1s. per po

Six cotton mills on Fall River have par tially or entirely stopped operations. The pro-prietors announced a reduction of wages, and the peratives refused to work.

Worket re the Auburn and Rochester Railroad Co. has been awarded \$7,000 damages, or having had one of his feet cut off by one of the lompany's locomotives. MURDER -Mr. Brittan McClendall, of Edge field District, S. C., was murdered on the 18th inst. by his step son, Philip Hubburt.

The Hon. Edward Carrington Cabell of Florida was married at St. Louis on the 5th to Anna Ma-ria Wilcox, daughter of Mrs. General Ashley.

SCIENCE AND REVELATION:

A LECTURE.

BY PROF O. M. MITCHEL, OF CINCINNATI.
[Reported for The Tribune.]

The Fifth Lecture of Prof. M's Brooklyn course was delivered on Monday evening. Previous to entering upon the consideration of the topic assigned for the evening, the Lecturer, in eply to questions which had been put to him, exblained his former remarks in regard to the nearest apparent position to which the Moon had been brought by the Telescope. He had stated that, with a magnifying power of 1,000, the Moon appeared as 240 miles distant, and had been under stood as expressing the opinion, that this was as near as it was, practicable to bring that planet-On this point he cited the assertion of a German Astronomer, (whose name we did not catch,) that the best magnifying power ever used for actual bservations was not above 300, and that in order to see inhabitants on the Moon's surface a power of 50,000 would be requisite. The magnifying nower of the Telescope, he explained as lying entirely in the eye-piece, which could be made of any form or of any desired power, but the diffiulty was, that all the imperfections of the objectlass, and all the impurities of the atmosphere, are magnified by it so that with a high power it is impossible to see anything. With a power of one the Lecturer had occasionally been able to see for a few moments; with one of 800, sometimes for half an hour; but in an ordinary state of the atmosphere, 500 times was as much as objects could be magnified with distinctness. From this cause the difficulty in the way of closer observa tion of the Moon arises. The speaker then directed his attention to those questions which had been announced as the subject of discussion for that evening. He held in his hand a book, the most wonderful ever produced in this world-a book of the greatest pretensions and of most extraordinary character. This book, itself, teaches us that the God who built the universe

and figured the Earth was its author; that He dictated it to his servants and that by many hands. during a period of a thousand of years, His thoughts and communications were written. This book professes to give an account of the origin of ook professes to give an account of the origin of ar Earth and the order of its creation, and though he imparting information on the subject of intur-l science is not its main object, it is an incidental he. The writers who penned this volume, wrote brice thousand years ago before the light of soi-nce had dawned upon the world. They did not cluse to draw their illustrations from objects bout them, with which they and their first read-ies were familiar. Have they refrained from giv-ors their own notions instead of the revelations of the Divine mind? Let us, said the speaker, ap-roach the subject with all due reverence. There the Divine mind? Let us, said the speaker, approach the subject with all due reverence. There is one chapter, said he, which is filled with the most astonishing inquiries put by the Lord himself, from the whirlwind to Job to show his inability to comprehend the Divine power and wisdom. The Professor then read the thirty-eighth chapter of Job and remarked that it was important to bear in mind in considering it that it was written these thousand years are, when the mind.

gant to bear in mind in considering it that it was written three thousand years ago, when the mind of man was dark on all the subjects which science, then unborn, has since enlightened. It was also important to remember that it was an extremely difficult matter to ask abstruce questions upon any scientific subject with which the questioner himself was unacquainted. If any one, ignorant of mathematics, mechanics or astronomy should attempt to ask a difficult question of an exact in other of those sciences, he would be expert in either of those sciences, he would be quite as likely to put a periectly simple of expert in either of those sciences, he would be quite as likely to put a periectly simple or easy inquiry, all questions being alike difficult to him. Now if these interrogatories are found to be of the most profound nature, those which the mind of man has never been able to reply to, and all of them grouped to gether, the fact is a most extraordinary fact, and one which would indicate an intelligence in the nuther far above that of any human being. The first inquiry respects the construction of the earth? Where was thou when I laid the foundation of the earth? declare, if thou hast understanding. Who hath inid the measures thereof, if thou knowest? or who hath stretched the 'line upon it? Whereupon are the foundations thereof fastened? or who had the corner stone thereof?" Has any man been able to answer these queries? What remins the earth in her position? The limit to which we have arrived toward the explanation is the discovery of a certain law called gravitation. And what is gravitation? We can only define it as the continued and uniform exercise of the Divine will. The second interrogatory is respecting the limits of the sea and the operations of the clouds. The power of the sca has been witnessed by those who have rode its waves in storms or seen the lashings of tempests upon the rocky coasts. We see it heaved to and fro in tides, but tee! secure that its operations are confined within errain limits. What is it that holds it, then?

deals on that its operations are confined within octain limits. What is it that holds it, then? We its specific gravity changed it might sweep over the highest mountain tops. If the Atlantic could be transferred to Saturn it would not occupy the same relation to that planet it does to ours, its comparitive weight would be changed and its opportune of a totally different character. What is the nature of this fundamental principle which thus keeps the sea within its bounds? "Hast thou manded the morning since thy days, and ca day-spring to know his place?" In this add the Almighty asks Job to explain the re the earths stable, uniform and most unaccount-e rotation. This for two thousand years has varied the one-hundredth part of a second, as not varied the one-hundredth part of a second, as so proved by the revolutions of the moon which are measured by the earth's rotation as a unit.—
The lecturer here briefly alluded to the results which would follow from any disturbance of this uniform motion. But this stability is promised to be perpetual, and is the stated recurrence of day and night, is even made the symbol of stability. The passage "It is turned as clay to the seal, and they stand as a garment," Professor M. explained as referring to the stronghers which by

plained as referring to the atmosphere, which by absorbing and refracting the light, produced the wilight. "Where is the way where the light dwelleth? and as for darkness, where is the place thereof that thou shouldst take it to the bound mereof, and that thou shouldst know the paths to the house thereof? Knowest thou it because thou was there born? or because the number of thy days is great? The nature or the source of Light is as inexplicable now as at the period of these interrogatories. If we adopt the naturalist theory we are at once surrounded by difficulties. What is the meterial which in such infinite profusion and with such almost infinite speed is darted through space? And what is the power by which it is propelled with such enormous rapidity through vast distances, without inflicting pain upon the eye by its contact? If we adopt the apon the eye by its contact! If we adopt the andulatory theory, the subject is equally incomprehensible. What is the fluid which must per-

grehensible. What is the fluid which must pervade all space, and in what manner are its undulations transmitted almost instantaneously and in right lines! Why does not this fluid obstruct the metions of the heavenly bodies? But if the unture of Light is undetermined, its sources are no less so. Let us take one of the rays which strike our eye softly and faintly as we gaze upon the milky way, and trace it to its home. We pass the limits of the earth's orbit, we go on among and beyond our own solar system, till it is lost in the distance behind us, and at the end of two. and beyond our own some system, the distance behind us, and at the end of ten-years travel we stop and look around us. We have passed through space at the rate of 12,000,000 of miles a minute, the speed of Light itself. Have we arrived at our destination? We have not we arrived at our destination! We have not reashed even those stars which seemed largest to us from the earth. The Pleiades and Orion are still beyond us, retarding their original forms, and the little ray we are tracing is no brighter and the little ray we are tracing is no origine than at our start. Again we go on, and in 10,000 years we stand upon the very confines of the system of Stars of which our Sun forms one All the Stars, still we see this light beyond us. I we see that the stars of the stars of miles twice if the Stars will we see still pass on twenty thousand miles twice bid, its home is still so far beyond as that we now nothing of its character. Even imagnation fisses to assist our investigations. Millions of cars would not suffice to reach the limit of teles

years would not suffice to reach the limit of telescopic observation. "Can'st thou bind the sweet influences of Pleiades, or loose the bonds of Orion!" Can's thou bing forth Marzarith in his season or can'st thou guide Arcturas with his sins!"—"The sweet influences of Pleiades" were explained by a reference to the ancient practice of marking the coming of the seasons by the meliacal rising of particular stars just in advance of the Sun. Thus in Egypt, Simis was the precursor of the overflow of the Nile. The Pleiades marked the vernal equinox, and this fact also serves to fix the date of these writings. By calculating the advance of the Equinox, we find that these ques-

tions were propounded at least 1,000 years since. Office was a Winter constellation which preceded the Sur while the earth was bound with frost.—Mazzarith means Zollac with all its signs. Are turns, the speaker supposed to refer to the polar stur, and this verse be considered as applying to the third or axial motion of the earth, which proposed the precision of the sarth, which proposed the precision of the sarth, which produced the precision of the sarth was a supposed to the sarth which produced the sarth was supposed to the sarth which produced the sarth was supposed to the sarth which produced the sarth was supposed to the sarth was supposed to the sarth which produced the sarth was supposed to the sarth which produced the sarth was supposed to the sarth was supposed to the sarth which produced the sarth was supposed to the sarth which produced the sarth was supposed to the sarth was are read an extraction better Heaven which const le numbered," and said that the stars vi ible to the naked eye had been numbered—then, hat a few nights sufficed to count them all, for no ye could see more than four thousand. But the where was much the Moon's size, and gave it up despair. There were millions in that limit. There was one other passage read, in which it is distinctly stated that the earth is in empty space —"He hangeth the earth upon nothing." This was a contradiction of the received opinions of the day but moders. day, but modern science has demonstrated it bence did the writers who put on paper such idence of intelligence far beyond that known on the earth in their time derive their knowedge, but from Divine inspiration

On Thursday evening another lecture on the same subject will be given.

THE WORKERS OF MODERN TIMES A LECTURE. BY CHALES A. DANA.

[Sketched for The Tribune.]
On Monday evening the Second Lecture of the Course before the Mechanics' Institute was delivered by CHAS A. DANA, Esq. his subject being 'The Workers of Modern Times." He began by haracterizing Labor as the Geology of the Socia World, for it underlies all our Civilization. But for Industry all that we most prize-Religion, Law Civilized Enjoyments-would be nothing. Mr. D briefly sketched the earliest form of Labor-tha of Slavery, the natural offspring of Savagism; to Seridom, or the system that fixed the peasant to the soil: and to the present system, in which men are nominally their own masters. The principles which now regulate Labor may be summed up in the word Individualism; their essence is "Every man for himself." This latter system-the Wages System-was the only one to be considered in treating of the History of Modern Labor. The Lecturer then described the transition from Serfdom to the Wages System of Labor, which took place durring the Middle Ages. Even in old Rome there were "Guilds," or Trade Associations, in some sort cooperative. Similar institutions sprang up during the middle ages, at least so far as to be " Unions' for mutual assistance and protection. Mr. D. reviewed the policy of the age in regard to trades, the apprenticeship system, the trade corporations, the trials of skill, and the extensive supervision of the Guilds over tradesmen and their conduct. By all these arrangements Labor was secured from the power of Capital, and no mechanic ever fell into pauperism. He referred to the organization of the (fullds as military companies, and their jealous exclusivism. By their contests with the ables, and through the favor of monarchs who were jealous of the nobility, the Guilds secured charters for cities, releasing them from the usual responsibility to feudal lords, and thus arose the Free Cities—one of the most important epochs in the formation of modern society. Then, for the lirst time, was Labor recognized as an element of the State. By these (fuilds, Feudalism fell, and they established the system of hired labor. They introduced a mechanical industry, which has ever since exercised a far greater in fluence upon the world than the Agricultural branch. The vast increase of Wealth and many of the great discoveries of Science have resulted from Mechanical labor. Mr. Daxa went at some length into a consideration of the Wages System, reviewing what he deemed its best and its worst features. It diffused intelligence, fostered Arts, increased Wealth, improved Government, produced a more tranquil Social state, and gave a powerful impetus to Progress. But it perpetuated a desire to avoid Labor, it fired the great majority to get the means of making others work for them that they might live without work. The very motive which produced Slavery and Sordom is thus perpetuated. The same desire is now universal instead of exceptional; the system provides the means and legitimates the operation of making others door work without rendering an equivalent. The Lecture passed to a consideration of the means used by the non-workers to produce this state of immuthe usual responsibility to foudal lords, and thus passed to a consideration of the means used

torer passed to a consideration of the means used by the non-workers to produce this state of immunity. Labor is compelled to pay its perpetual tribute to Idleness, not by the old method of Brute Force, but by the potency of Money—the divinity which has assumed the throne of Force. Money is the best served God in the Olympus of the papillar mythology. We talk loudly of other and lighter derites, and such indeed are worshiped in the private devictions of obscure thinkers who the private devetions of obscure thinkers who ight and feed for Humanity the beacons of the Fature. Worshiped, too, are they in the single state of constituent workshops and Polychunted clubs, where stalwart Men, with the most and stains of Labor for sacred robes, and the most and stains of Labor for sacred robes, and the lice-hunted clabs, where staiwart Men, with the dust and stains of Labor for sacred robes, and the deep-voices of their fellows for responding chorus, mising the land hands that Productive Industry has consecrated, unter the eternal liturgy of Liberty, Equality and Fraternity, the advent of Justice and Liberty, Peace and Goodwill among men. Mr. D. referred to the seizure or purchase of the soil by the powerful, and its rental at rates dictated by the necessities of the weak, as one of the causes of present social inequalities. He explained some of the restrictions placed by the Guilds upon the tendency to monopoly, some of which exist in practice at the present day. But the Guilds themselves were not in keeping with the progress of mankind, and they were suppressed. The first consequences were a large accession of laborers in mechanical employments, actively and fertility of invention, enterprise and unbounded competition. Workmen increased rapidly, and in proportion to that increase, wages fell. Employers gave not what was really earned, but as little as they could get work done for. The result of this was extreme poverty among workmen, a state of things which the Lecturer illustrated in a subsequent part of his remarks by The result of this was extreme poverty among workmen, a state of things which the Lecturer illustrated in a subsequent part of his remarks by a variety of startling facts. Mr. D. looked upon Commerce, as hitherto conducted, as one of the agencies for the spoliation of the laboring classes. As the producer must sell, and the consumer. As the producer must sell, and the consumer must buy, the merchant capitalist has both, at his mercy and according to their respective necessities buys cheap and sells dear. The next instrumen of spoliation was Money Lending, Usury, the most unsparing of tyrants, which holding in it hand a vast capital, grasps that which hun reds and thousands have toiled in pain and dreds and thousands have totted in pain and nopelessness to produce. Money, being the universal medium of business, renders every man inevitably its tributary. Mr. Dana then referred to the condition of Labor in Europe in the 1sth Century, the introduction of machinery in Engalud. Coming down to the era of the French Hevolution, he showed the opinions of some of the leaders as to Labor and its demand from Government. The Revolution was over, Feudalism abolished, but Labor was still the new to a war of interests and the tyranny of Feudaism abolished, but Labor was still the prey to a war of interests and the tyranny of Wealth. Mr. D. gave a rapid review of the condition of Labor since that period, and then proposed the question whether Laborers are as well off as they ought to be. A great mass of facts were here presented, tending to open the eyes of the most careless to the fearful condition of the Laboring Classes of the Old World. In the course of these facts, he quoted some of the startling revelations made by the London Morn to Chronicle a year since—a hideous picture of starting revelations made by the London Moraing Chronicle a year since—a hideous picture of
want, oppression and crime most appalling to
contemplate. That our Laborers are not in a
like condition is owing Isaid hely to aparseness of
population, not to absence of Land Monopoly, Expictation of Capital, high profits to the Gambiers
of Commerce, or the luck of Money Lenders. He
saw the same tendency here as in Europe toward
the most deplorable results, though he was glad
to recognize the vigorous germs of a better
system—the system of Association. The right of
man to free use of the soil is taught even in
the Senate of the United States. The Working
men on every hand are combining against the symen on every hand are combining against the ty-ranny of the Wages system; they are waging a warter, which promises success, against Land monopoly. He referred to various associations now in successful operation, in Europe and in this country, as the Molders of Cincinnati, the Tanors of Ecston, &c. In this system he saw the emancipation of the Laboret. Mr. D. spoke of the

reform of commerce commenced by some of the workers, the system of purchasing articles of gen-eral necessity by large quantities. Here was much good done for the Laborer. In Money lending no reformatory steps had been taken, but the matter was under discussion, and could not the matter was under discussion, and could not sleep. The escape from all old systems is already begun, not by Utopian ideas, but by a few simple, practical measures which were within the comprehension of every body, and which he commended to the ea nest attention of his hearers.

Prof. Hume will deliver the Third Lecture of the Course on Monday evening next. Subject-"Electro-Magnetism and Galvanism."

CITY ITEMS.

BOARD OF SUPERVISORS .- Tuesday .- A report in favor of correcting tax of sundry persons named, and denying petitions of others, was adopted.

The accounts of several papers for inserting election notice, were audited by Committee at \$2 50 for first insertion, and \$1 99 each subsequent. Adopted.

On petition of John H. Burley, burt at the difficulty in Astor-place, in May, 1848, and confined to his house ten weeks, the Board allowed him \$945 additional to \$200 already allowed, the bills of his

three physicians being \$345.

The unsettled bill of the Coroner, charging separate inquests for each person killed at the Hague-st. explusion, was taken from the table and

LAUNCH -The packet-ship S. M. Fox will be launched to-day at high water, about 2 o'clock P. M. from the ship-yard of W. H. Webb, foot of Sixth st. East River. The S. M. Fox is about 1,500 tuns burden, and possesses the same advantages in model, strength and durability of materials that has distinguished the ships from the same builder for several years past. This ship will be under the command of Capt. A. C. Ainsworth, and will take her place in Mortimer Livingston's Union Line of Havre Packets, and is expected to sail in the early part of the ensuing

FIRE.-Nov. 26, 11 AM .- The alarm of fire from the Fifth District was caused by the burning of a bed in the basement of the house corner of Pearl and Ferry sts. The damage was very trifling.

CITY CENSUS .- The returns of the Marshals for the First Ward, represent the population at 19,-755. This gives an increase of 7,525 over the census of 1835, and of 9,126 over that of 1840.

REAL ESTATE.—The following sales were made in Wall st. yesterday:

1 lot on 80th-st, near 2d-av. 25x100......

FLOREMENT-ARREST OF THE FUGITIVES .- A ELOPEMENT—ABREST OF THE FUGITIVES.—A telegraphic dispatch was yesterday received by the Chief of Police from Providence, setting forth that James Hall, a married man residing at that place, had sleped with Miss Jane Tracy, a romantic young lady of 10 Summers. Hall was minutely described, and Sergeant Finney of the Second Ward Police was dispatched to find him. He proceeded to the Philadelphia boat and there espied the couple, who were at once arrested and sent home.

ARREST OF A BURGLAR.—A man who gave his name as George Richards was arrested yeaterday by officer Wallace of the Ninth Ward, charged with breaking into the dwelling of Mr. Perry by officer Wallace of the dwelling of Mr. Perry with breaking into the dwelling of Mr. Perry with the dwelling of Mr. Pe silver spoons, foras, castors, Ac. to the value of \$855. The property was found in possession of the accused, who was locked up by Justice Bleakely GRAND LARCENY -Officer Burleigh,

GRAND LARGENY—Other bariens, of the Lower Police Court, yeaterday arrested a colored woman named blisen Evans, charged with stealing \$157 from her employer, Mrs. Lewis, of No. 6 Thompson-st.; \$130 of the more was found secreted at the residence of the between two beds. Several new articles of the balance of lad probably been purchased with balance of the control of the was a mitted to be the control of the was a mitted to be a probably been purchased with the balance of the control of the was a mitted to the control of the was a mitted to be a probably been purchased with the balance of the control of the was a mitted to the control of the was found. the money, were also found. She was committed by Justice Osborne for trial.

DEATHS BY DROWNING.—Coroner Geer held an inquest yesterday at the foot of Murray st. N. R. upon the body of an anknown man about 30 years of age, found drowned. He had on when found a pair of gray pants, black frock coat, plaid vest, white muslin and woolen shirts, cotton drawers and boots, about 5 feet 10 inches in hight, black bair, face pox marked. Verdict, death by drowning. Also, at the foot of Duane st. upon the body of an unknown man found drowned, about 5 feet 10 inches in hight, bald on the head. Had on when

found, a brown over-coat, black dress coat, black vest, mixed pants, colored silk cravat, white dickey and boots. Verdict, death by drowning. Supper Death.-The Coroner held an inquest

vesterday at the Bethel Church, near pier No. 11, N. R. upon the body of Steen Norberg, a native of Sweden, 57 years of age, who suddenly fell, on Sunday night, at the corner of Rector st. and Trinity place, and immediately expired. Deceased was Captain of the Swedish bark Oden, and arrived from Sweden about ten days since. He has left a wife and five children. A vordict of death by the bursting of a blood vessel of the chest was rendered.

BROOKLYN ITEMS.

Col. E. L. Snow will address the citizens of South-Brooklyn, upon the subject of Temper ance, this evening, at the Bethel near the South

EARLY CLOSING .- An adjourned meeting of the Dry Goods Merchants took place Monday evening, Elijah Lewis, Sen. presiding. The Chairman in troduced the business of the evening in an appropriate manner, and expressed himself as committed heartily to the cause of the Clerks, the success of which is now beyond all doubt. The Com mittee appointed to canvass the city, made their report, from which it appears that the great bulk of the Dry Goods Merchants of our city have given in their adhesion to the arrangement of closing at 7 o'clock during the following Winter, commencing next Monday evening. A Standing Committee has been appointed to carry out the objects of the meeting, consisting of Messrs. J. P. Williams, L. S. DeLano and A. M. Wood. Ten thousand circulars are to be printed and distributed throughout the city in a systematic manner, under the direction of the Dry Goods Clerks' Association, to whom the merchants have entrusted this part of their proceedings. Advertisements will be published for one week, announcing the arrangement. Cards will be exhibited in the various Dry Goods Stores adopting the early closing scheme, and at other prominent places. This early closing movement is a "fixed fact." The following is the resolution:

Resolved, That in order to commence a permanent arrangement of the Early Closing movement, this meeting pleuges itself to adopt the following plan of operations, vizithat on Monday, the 2d day of December rest, the Retail Dry Goods Stores of Brooklyn be closed at o'clock, and continue to be closed at the same hour every evenings and evenings previous to Holldays excepted, and the later of April, 1851; and at 8 o'clock until the lat of April, 1851; and at 8 o'clock until the lat day of Nov. 1851. under the direction of the Dry Goods Clerks' As-

WILLIAMSBURGH ITEMS.

UNION OF THE CITIES.-The Mechanics and Workingmen's Society have a debate on the subject this evening, as to whether the measure will be beneficial, or otherwise, to the citizens of Williamsburgh. The Society meetings are in the basement of the Universalist Church. The speakers are, ailirmative, John H. Tobit, combination type printer; negative, Henry A. Rutan, mason, both of the Third District.

SHOF LIFTING .- Three boys from New York, on Saturday evening, stole a shaw! and 2 pieces of flannel, from the store of Mr. Hamilton, Grand-st. One of them was arrested and the goods re-

Accident.—A lad named Mahoney fell from a wagon loaded with plank, and the wheel passed ever one of his arms, fracturing the bone.